

CPC**COOPERATIVE PATENT CLASSIFICATION****B65F****GATHERING OR REMOVAL OF DOMESTIC OR LIKE REFUSE**

(disinfecting refuse A61L; refuse disintegrators B02C; sorting refuse B03B; B07B; handcarts for transporting refuse receptacles B62B; sack holders [B65B 67/00](#); converting refuse into fertilisers C05F; converting refuse into solid fuels C10L; sewers, cesspools E03F; arrangements in buildings for the disposal of refuse [E04F 17/10](#); refuse-consuming furnaces F23G; { for surgical articles [A61B 19/0287](#)})

B65F 1/00

Refuse receptacles; {Accessories therefor}(containers not specially adapted for refuse, features of refuse receptacles of general interest [B65D](#))

- B65F 1/0006 . {Flexible refuse receptables, e.g. bags, sacks}
- B65F 1/0013 .. { with means for fixing and mounting of the receptacle to walls, doors}
- B65F 1/002 .. { with means for opening or closing of the receptacle}
- B65F 1/0026 .. { with odor controlling substances}
- B65F 1/0033 . {specially adapted for segregated refuse collecting, e.g. receptacles with several compartments; Combination of receptacles ([B65F 1/0093](#) takes precedence)}
- B65F 1/004 .. {the receptacles being divided in compartments by partitions}
- B65F 1/0046 ... {the partitions being movable, e.g. for varying the volume of the compartments}
- B65F 1/0053 .. {Combination of several receptacles}
- B65F 1/006 ... {Rigid receptacles stored in an enclosure or forming part of it}
- B65F 1/0066 ... {Rigid receptacles fixed on racks or posts}
- B65F 1/0073 ... {Flexible receptacles fixed on a frame or in an enclosure ([sack holders per se](#)[B65B 7/12](#))}
- B65F 1/0093 . {specially adapted for collecting refuse from arrangements in buildings}
- B65F 1/02 . without removable inserts
- B65F 1/04 . with removable inserts
- B65F 1/06 .. with flexible inserts, e.g. bags or sacks {([B65F 1/0073](#) takes precedence)}
- B65F 1/062 ... {having means for storing or dispensing spare bags}
- B65F 1/065 ... { with means aiding the insertion of the flexible insert}
- B65F 1/067 ... {with a plurality of flexible inserts}
- B65F 1/068 ... { with means aiding the removal of the flexible insert}
- B65F 1/08 .. with rigid inserts
- B65F 1/085 ... {with a plurality of rigid inserts}
- B65F 1/10 . with refuse filling means, e.g. air-locks
- B65F 1/105 .. {the filling means being pneumatic, e.g. using suction}

- B65F 1/12 . with devices facilitating emptying
- B65F 1/122 .. {Features allowing the receptacle to be lifted and subsequently tipped by associated means on a vehicle}
- B65F 1/125 .. {Features allowing the receptacle to be lifted and emptied by its bottom}
- B65F 1/127 .. {by suction}

- B65F 1/14 . Other constructional features; {Accessories}(holders or carriers for hand articles [A45F 5/00](#); fastening devices [E05C](#))
- B65F 1/1405 .. {Compressing means incorporated in, or specially adapted for, refuse receptacles (presses in general [B30B](#))}
- B65F 1/141 .. {Supports, racks, stands, posts or the like for holding refuse receptacles ([B65F 1/0066](#) takes precedence)}
- B65F 1/1415 ... {for flexible receptables, e.g. bags, sacks}
- B65F 1/1421 ... {having means for operating lids or covers (pedal or hand-lever operated [B65D](#))}
- B65F 1/1426 .. {Housings, cabinets or enclosures for refuse receptacles ([B65F 1/006](#), [B65F 1/1452](#) take precedence)}
- B65F 1/1431 ... {having a waste disposal chute integrally connected to a work top or the like, the refuse receptacle remaining static}
- B65F 1/1436 ... {having a waste receptacle withdrawn upon opening of the enclosure}
- B65F 1/1442 {the receptacle being rotated about a vertical axis}
- B65F 1/1447 ... {located underground}
- B65F 1/1452 .. {Lifting, hoisting, elevating mechanisms or the like for refuse receptacles (lifting in general [B66](#))}
- B65F 1/1457 ... {for refuse receptacles located underground}
- B65F 1/1463 .. {Receptacles adapted to store one or more piles of used stackable containers, e.g. beverage cups}
- B65F 1/1468 .. {Means for facilitating the transport of the receptacle, e.g. wheels, rolls (hand-operated refuse vehicles [B65F 3/005](#))}
- B65F 1/1473 ... { Receptacles having wheels}
- B65F 1/1478 .. {relating to noise reduction in receptacles during collecting of refuse, e.g. of glass}
- B65F 1/1484 .. {relating to the adaptation of receptacles to carry identification means}
- B65F 1/16 .. Lids or covers ({[B65F 1/1421](#) takes precedence}; pedal or hand-lever operated {for containers in general}[B65D](#))
- B65F 1/1607 ... {with filling openings}
- B65F 1/1615 ... {with means for locking, fastening or permanently closing thereof}
- B65F 1/1623 ... {with means for assisting the opening or closing thereof, e.g. springs (spring-actuated swinging wings [E05F 1/10](#))}
- B65F 1/163 {Pedal-operated lids}
- B65F 1/1638 {Electromechanically operated lids}
- B65F 1/1646 ... {provided with means for mounting on receptacles, e.g. hinges}

- B65F 3/00** **Vehicles particularly adapted for collecting refuse** (vehicles in general [B60](#); driving vehicle equipment or auxiliaries [B60K](#); discharging contents by tilting entire vehicles [B65G](#); wheeled apparatus for emptying sewers or cesspools [E03F 7/10](#))

- B65F 3/001 . {for segregated refuse collecting, e.g. vehicles with several compartments}
- B65F 3/005 . {Hand-operated refuse vehicles}
- B65F 3/02 . with means for discharging refuse receptacles thereinto ([conveyer construction B65G](#); [Loaders separate from vehicles B66F](#); [fluid power control systems in general F15B](#))
- B65F 3/0203 .. {with crane-like mechanisms}
- B65F 3/0206 .. {while the receptacles remain in place or are still attached to their supporting means}
- B65F 3/0209 ... {using suction}
- B65F 3/0213 .. {Means for facilitating the separation of discharging means from collecting vehicles}
- B65F 3/04 . Linkages, pivoted arms, or pivoted carriers for raising and subsequently tipping receptacles
- B65F 3/041 ... {Pivoted arms or pivoted carriers}
- B65F 3/043 {with additional means for keeping the receptacle substantially vertical during raising}
- B65F 3/045 {Four-bar linkages}
- B65F 3/046 {with additional means for assisting the tipping of the receptacle after or during raising}
- B65F 3/048 ... {Linkages ([B65F 3/041](#) takes precedence)}
- B65F 3/06 ... Arrangement and disposition of fluid actuators
- B65F 3/08 . Platform elevators or hoists with guides or runways for raising or tipping receptacles ({[pivotal guides or runways B65F 3/041](#)})
- B65F 3/10 ... Arrangement and disposition of fluid actuators
- B65F 3/12 . Conjoint motion of lids, flaps, and shutters on vehicle and on receptacle; Operation of closures on vehicle conjointly with tipping of receptacle
- B65F 3/14 . with devices for charging, distributing or compressing refuse in the interior of the tank of a refuse vehicle ([B65F 3/02](#) takes precedence)
- B65F 3/143 .. {Means facilitating the separation of the charging, distributing or compressing devices from the tank of refuse vehicles}
- B65F 3/16 . with conveyer wheels ([with screw conveyers B65F 3/22](#))
- B65F 3/18 . with endless conveyers, e.g. elevators
- B65F 3/20 . with charging pistons, plates, or the like ([for discharging B65F 3/28](#))
- B65F 3/201 ... {the charging pistons, plates or the like moving rectilinearly}
- B65F 3/202 ... {with radially shiftable charging plates or the like mounted on a rotary drum}
- B65F 3/203 ... {with charging teeth, cutters or the like mounted on an axle or a drum [B65F 3/202](#), [B65F 3/205](#), [B65F 3/206](#) take precedence}
- B65F 3/205 ... {with two or more movable and co-operating plates or the like for charging refuse from the loading hopper to the interior of a refuse vehicle}
- B65F 3/206 ... {with charging plates or the like rotating around a vertical axis}
- B65F 3/207 ... {guided by tracks, channels, slots or the like provided on the vehicle}
- B65F 3/208 ... {the charging pistons, plates or the like oscillating about a horizontal axis}
- B65F 3/22 . with screw conveyers, rotary tanks
- B65F 3/225 ... {Tanks rotating about a transversal axis for compressing the garbage by gravity}

- B65F 3/24 . with devices for unloading the tank of a refuse vehicle
- B65F 3/26 .. by tipping the tank
- B65F 3/28 .. by a lengthwise movement of a wall, e.g. a plate, a piston, or the like (for charging [B65F 3/20](#))

- B65F 5/00** **Gathering or removal of refuse otherwise than by receptacles or vehicles (storage silos, charging and discharging thereof [B65G](#))**

- B65F 5/005 . {by pneumatic means, e.g. by suction (conveying materials in bulk pneumatically in general [B65G 53/04](#))}

- B65F 7/00** **Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles (such devices per se [A61L](#), [B08B](#))**

- B65F 7/005 . {Devices, mounted on refuse collecting vehicles, for cleaning or disinfecting refuse receptacles}

- B65F 9/00** **Transferring of refuse between vehicles or containers with intermediate storage or pressing (presses for baling per se [B30B 9/30](#))**

- B65F 2001/00** **Refuse receptacles; {Accessories therefor}(containers not specially adapted for refuse, features of refuse receptacles of general interest [B65D](#))**

- B65F 2001/0033 . {specially adapted for segregated refuse collecting, e.g. receptacles with several compartments; Combination of receptacles ([B65F 1/0093](#) takes precedence)}
- B65F 2001/008 .. Means for automatically selecting the receptacle in which refuse should be placed
- B65F 2001/0086 .. Means for holding receptacles together

- B65F 2001/04 . with removable inserts
- B65F 2001/061 .. the flexible inserts being used shopping bags
- B65F 2001/064 .. having a plurality of flexible inserts, e.g. on a roll

- B65F 2001/14 . Other constructional features; {Accessories}(holders or carriers for hand articles [A45F 5/00](#); fastening devices [E05C](#))
- B65F 2001/1489 .. Refuse receptacles adapted or modified for gathering compostable domestic refuse
- B65F 2001/1494 .. Refuse receptacles comprising means for preventing or extinguishing fire
- B65F 2001/1653 .. Constructional features of lids or covers
- B65F 2001/1661 ... relating to noise reduction, e.g. during opening or closing
- B65F 2001/1669 ... relating to means for fixing or latching the lid or cover in a certain angle
- B65F 2001/1676 ... relating to means for sealing the lid or cover, e.g. against escaping odors
- B65F 2001/1684 Water slot seals
- B65F 2001/1692 ... relating to safety means, e.g. for children trapped inside the refuse receptacle

- B65F 2003/00** **Vehicles particularly adapted for collecting refuse** (vehicles in general [B60](#); driving vehicle equipment or auxiliaries [B60K](#); discharging contents by tilting entire vehicles [B65G](#); wheeled apparatus for emptying sewers or cesspools [E03F 7/10](#))
- B65F 2003/001 . {for segregated refuse collecting, e.g. vehicles with several compartments}
- B65F 2003/003 .. Footboards
- B65F 2003/006 . Constructional features relating to the tank of the refuse vehicle
- B65F 2003/008 .. interchangeable
- B65F 2003/02 . with means for discharging refuse receptacles therein (conveyer construction [B65G](#); Loaders separate from vehicles [B66F](#); fluid power control systems in general [F15B](#))
- B65F 2003/0216 .. the discharging means comprising a device for determining the volume of the content of refuse receptacles
- B65F 2003/022 .. the discharging means comprising a device for determining the weight of the content of refuse receptacles
- B65F 2003/0223 .. the discharging means comprising elements for holding the receptacle
- B65F 2003/0226 ... having means for adapting to different sized receptacles
- B65F 2003/023 ... Gripper arms for embracing the receptacle
- B65F 2003/0233 for embracing two or more receptacles
- B65F 2003/0236 ... Suction or vacuum heads
- B65F 2003/024 ... Means for locking the rim
- B65F 2003/0243 ... Means for locking the side, e.g. via spigots or trunnion pins
- B65F 2003/0246 ... Means for locking the front, e.g. via a handle
- B65F 2003/025 .. Constructional features relating to actuating means for lifting or tipping containers
- B65F 2003/0253 ... Means for synchronising or coupling two or more discharging devices, e.g. for allowing the discharge of one large container or the simultaneous discharge of two or more containers
- B65F 2003/0256 ... Means for vibrating or shaking the containers for facilitating emptying
- B65F 2003/0259 ... Means for automatically varying the speed of operation
- B65F 2003/0263 .. Constructional features relating to discharging means
- B65F 2003/0266 ... comprising at least one telescopic arm
- B65F 2003/0269 ... capable of moving along the side of the vehicle
- B65F 2003/0273 ... capable of rotating around a vertical axis
- B65F 2003/0276 ... capable of moving towards or away from the vehicle
- B65F 2003/0279 ... the discharging means mounted at the front of the vehicle
- B65F 2003/0283 between the cab and the collection compartment
- B65F 2003/0286 .. Means mounted on the vehicle for opening the lid or cover of the receptacle
- B65F 2003/0289 ... the opening means being mounted on the discharging means
- B65F 2003/0293 .. Means mounted on the vehicle for supporting the refuse receptacle in the tipping position
- B65F 2003/0296 ... the supporting means mounted on the discharging means
- B65F 2003/14 . with devices for charging, distributing or compressing refuse in the interior of the tank of a refuse vehicle ([B65F 3/02](#) takes precedence)

B65F 2003/146 .. Sensors, e.g. pressure sensors

B65F 2210/00 Indexing codes relating to refuse receptacles

B65F 2210/10 . relating to equipment of the receptacle

B65F 2210/102 .. Absorbing means

B65F 2210/1023 ... for liquids

B65F 2210/1026 ... for smelling substances

B65F 2210/104 .. Ashtrays

B65F 2210/108 .. Authorization means

B65F 2210/1085 ... Coins or tokens

B65F 2210/112 .. Coding means to aid in recycling

B65F 2210/1121 ... Apertures

B65F 2210/1123 ... Bar-codes

B65F 2210/1125 ... Colors

B65F 2210/1126 ... Symbols

B65F 2210/1128 ... Text

B65F 2210/116 .. Cooling means

B65F 2210/12 .. Crushing means

B65F 2210/124 .. Counting means

B65F 2210/126 .. Cutting means

B65F 2210/128 .. Data transmitting means

B65F 2210/129 .. Deodorizing means

B65F 2210/13 .. Double walls

B65F 2210/132 .. Draining means

B65F 2210/135 .. Flower boxes

B65F 2210/136 .. Dustpan

B65F 2210/137 .. Fans

B65F 2210/138 .. Identification means

B65F 2210/139 .. Illuminating means

B65F 2210/14 .. Incinerating means

B65F 2210/144 .. Level detecting means

B65F 2210/1443 ... Electrical

B65F 2210/1446 ... Mechanical

B65F 2210/148 .. Locking means

B65F 2210/15 .. Marking means

B65F 2210/152 .. Material detecting means

B65F 2210/1522 ... for glass

B65F 2210/1525 ... for metal

B65F 2210/1527 ... for plastics

B65F 2210/156	..	Mousetraps
B65F 2210/16	..	Music playing devices
B65F 2210/162	..	Pressing means
B65F 2210/164	..	Printers
B65F 2210/165	..	Remote controls
B65F 2210/167	..	Sealing means
B65F 2210/1675	...	by twisting, e.g. of a flexible tube
B65F 2210/168	..	Sensing means
B65F 2210/169	..	Shredding means
B65F 2210/17	..	Smoke detecting means
B65F 2210/172	..	Solar cells
B65F 2210/176	..	Sorting means
B65F 2210/178	..	Steps
B65F 2210/179	..	Suction means, e.g. for forcing a bag inside the receptacle
B65F 2210/1795	...	for sucking off dust particles during insertion of refuse in the receptacle
B65F 2210/18	..	Suspending means
B65F 2210/181	..	Ventilating means, e.g. holes
B65F 2210/1815	...	for assisting the removal of a liner
B65F 2210/182	..	Volume determining means
B65F 2210/183	..	Volume reducing means, e.g. inserts
B65F 2210/184	..	Weighing means
B65F 2210/188	..	Vacuum drawing means
B65F 2210/196	..	Tape dispensers
B65F 2210/20	..	Temperature sensing means
B65F 2220/10	.	relating to properties of the receptacles
B65F 2220/101	..	assembled from a plurality of panels
B65F 2220/102	..	assembled from a blank
B65F 2220/104	..	Bomb resistant
B65F 2220/106	..	Collapsible
B65F 2220/1063	...	foldable
B65F 2220/1066	...	telescopic
B65F 2220/108	..	connectable
B65F 2220/112	..	floatable
B65F 2220/116	..	inflatable
B65F 2220/12	..	nestable
B65F 2220/122	..	Poster resistant surface
B65F 2220/124	..	stackable
B65F 2220/128	..	transparent
B65F 2230/10	.	relating to the shape of the receptacle
B65F 2230/104	..	Amphora

B65F 2230/108	..	Animal
B65F 2230/112	..	Bottle
B65F 2230/116	..	Can
B65F 2230/12	..	Fence
B65F 2230/124	..	Golf ball
B65F 2230/126	..	Hexagonal
B65F 2230/127	..	House
B65F 2230/128	..	Human
B65F 2230/132	..	Mushroom
B65F 2230/134	..	Oval
B65F 2230/135	..	Potted plant
B65F 2230/136	..	Pyramide
B65F 2230/14	..	Robot
B65F 2230/144	..	Seat
B65F 2230/148	..	Sleeve
B65F 2230/15	..	Sleeve having a disconnectable bottom
B65F 2230/152	..	Triangular
B65F 2230/156	..	Wave-like
B65F 2240/10	.	relating to the type of the refuse collected
B65F 2240/104	..	Ashes
B65F 2240/108	..	Batteries
B65F 2240/112	..	Bottles
B65F 2240/1123	...	Glass
B65F 2240/1126	...	Plastics
B65F 2240/116	..	Broken cutters
B65F 2240/118	..	Building waste
B65F 2240/12	..	Cans
B65F 2240/121	..	Carrions
B65F 2240/122	..	CD's, DVD's
B65F 2240/124	..	Christmas trees
B65F 2240/128	..	Clothing
B65F 2240/132	..	Diapers
B65F 2240/136	..	Dog dirt
B65F 2240/137	..	Drilling dust
B65F 2240/138	..	Garden debris
B65F 2240/14	..	Gum
B65F 2240/142	..	Grease
B65F 2240/143	..	Ink cartridges
B65F 2240/144	..	Leather
B65F 2240/145	..	Medicine
B65F 2240/146	..	Nails

B65F 2240/148	..	Neon tubes
B65F 2240/152	..	Oil
B65F 2240/156	..	Paper
B65F 2240/1562	...	confidential
B65F 2240/1564	...	Carton
B65F 2240/1566	...	handkerchiefs
B65F 2240/1568	...	Towels
B65F 2240/16	..	Pizza boxes
B65F 2240/162	..	Pressurized containers
B65F 2240/164	..	Sanitary towels
B65F 2240/166	..	Staples
B65F 2240/168	..	Telephone cards
B65F 2240/172	..	Vomit
B65F 2250/10	.	relating to the material of the receptacle
B65F 2250/105	..	Biodegradable
B65F 2250/106	..	Carton
B65F 2250/107	..	Glass
B65F 2250/108	..	Paper
B65F 2250/11	..	Metal
B65F 2250/111	...	Aluminum
B65F 2250/112	...	Steel
B65F 2250/114	..	Plastics
B65F 2250/1143	...	Polyethylene
B65F 2250/1146	...	Polypropylene
B65F 2250/116	..	Recycled material
B65F 2250/12	..	Rubber
B65F 2250/128	..	Wood